

Site:	Carrier Air
Break:	17.5
Other:	v.1

**CARRIER AIR CONDITIONING COMPANY
COLLIERVILLE, SHELBY COUNTY, TENNESSEE**

TND 044062222

The Carrier Air Conditioning Company of United Technologies is a manufacturing facility located on approximately 145 acres in Collierville in Shelby County, Tennessee. Since the facility opened in 1967 there have been three documented releases of trichloroethylene (TCE) to the environment.

In 1978 a filter cover failed on a vapor degreaser unit resulting in the spill of 2,000 - 5,000 gallons of TCE. According to Carrier officials this material was washed into Nonconnah Creek by the local fire department. Soil samples collected by the State in April, 1986, showed residuals of TCE present at the spill site. Prior to the implementation of RCRA Carrier operated an unlined lagoon, approximately 214 cu. ft. in volume, for the storage of TCE contaminated paint sludges. Wastes and soil were removed from this lagoon and it was closed just prior to the implementation of RCRA. The exact location of this impoundment has not yet been ascertained. In January, 1985, following a period of heavy rainfall, a TCE leak from underground pipes was discovered. A clean-up effort was initiated by the company resulting in the recovery of 542 gallons of TCE from the unknown volume that had leaked. As a result of this spill, monitoring wells were installed at the facility and TCE contamination in the Memphis sands aquifer was detected in several of these wells in January, 1986.

The Carrier facility is located within 2000 feet of the water plant #2 wells of the City of Collierville. On July 15, 1986, the west well for water plant #2 was sampled and found to be contaminated by low levels of TCE. Subsequent to this, both wells at water plant #2,



10663259

both wells at water plant #1 (located approximately 1½ miles east of the Carrier facility), and the treated water from each water plant were sampled. Analytical data showed low level contamination with TCE at both of the wells at water plant #2, but none at the wells of water plant #1 or in the treated water from either plant. The Collierville water system and representative private wells in the vicinity are presently being monitored. The population estimated to be using groundwater from wells in the Memphis Sands Aquifer within three miles of the facility is 12,780.

Clean-up activities initiated by the Carrier Company have included the closure of the lagoon prior to RCRA implementation, repair of the leaking underground pipes in 1985, and removal of soil contaminated as the result of the leaking pipes in 1985. No enforcement actions have been initiated to date.

MH/lag SF #2